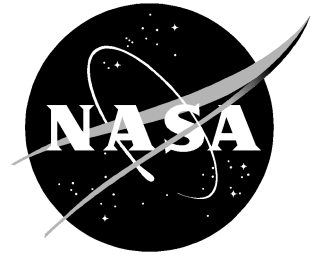


NewsRelease

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NOTE TO EDITORS

E-TEXTILES BELIEVED TO HAVE VARIETY OF USES

Significant commercial and research efforts are currently underway to develop a wide array of electronic textiles (e-textiles) for application in health care, military and first-responder uniforms, and entertainment.

Mark T. Jones, Associate Professor, Bradley Department of Electrical and Computer Engineering, Virginia Polytechnic Institute and State University, will speak on "The Design of Electronic Textile Applications" at a colloquium at 2 p.m. Tuesday, July 13.

Media Briefing: A media briefing will be held at 1:15 p.m. at the H.J.E. Reid Conference Center, 14 Langley Blvd., NASA Langley Research Center. Members of the media who wish to attend should contact Kimberly W. Land at (757) 864-9885 or 344-8611 (mobile) to arrange for credentials.

Jones will review the state-of-the-art in e-textiles and examine today's commercial uses. He will especially focus on the design framework for e-textiles under development in the E-Textiles Laboratory at Virginia Tech. Jones will elaborate on two application prototypes: a wearable system for human gait analysis and an autonomous garment for determining the wearer's location in a building.

Jones earned a bachelor's degree from Clemson University in 1986 and a doctorate in Computer Science from Duke University in 1990. During his graduate work, Jones spent time at NASA Langley Research Center in the area of parallel computation.

After graduation, he joined the Mathematics and Computer Science Division at Argonne National Laboratory working in large-scale scientific computing. In 1993, Jones joined the Computer Science faculty at the University of Tennessee, where his interest in embedded computing began. He moved to Virginia Tech in 1997 and, in 2000, formed the E-Textiles Lab at Tech with Dr. Thomas Martin.

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